

## **Abstract**

### **Mirror and Coil Laser Beam Projection Apparatus**

A display system, apparatus and method for generating a visible pattern onto a display surface responsive to an audio frequency input signal by emitting a visible beam of light along a predetermined beam axis, interposing a reflector along the beam axis for reflecting the light beam to form a reflected beam directed generally towards the display surface, a pair of movable coils and a magnetizable element associated with each coil responsive to audio frequency input signals for movement of the reflector to generate a pattern on the display surface, supporting the reflector proximate to the pair of coils for movement of the reflector relative to the magnetizable elements, the predetermined beam axis having an angle of variation of the visible beam of light which is greater than zero degrees and less than ninety-degrees, and the visible beam of light is preferably a laser beam.